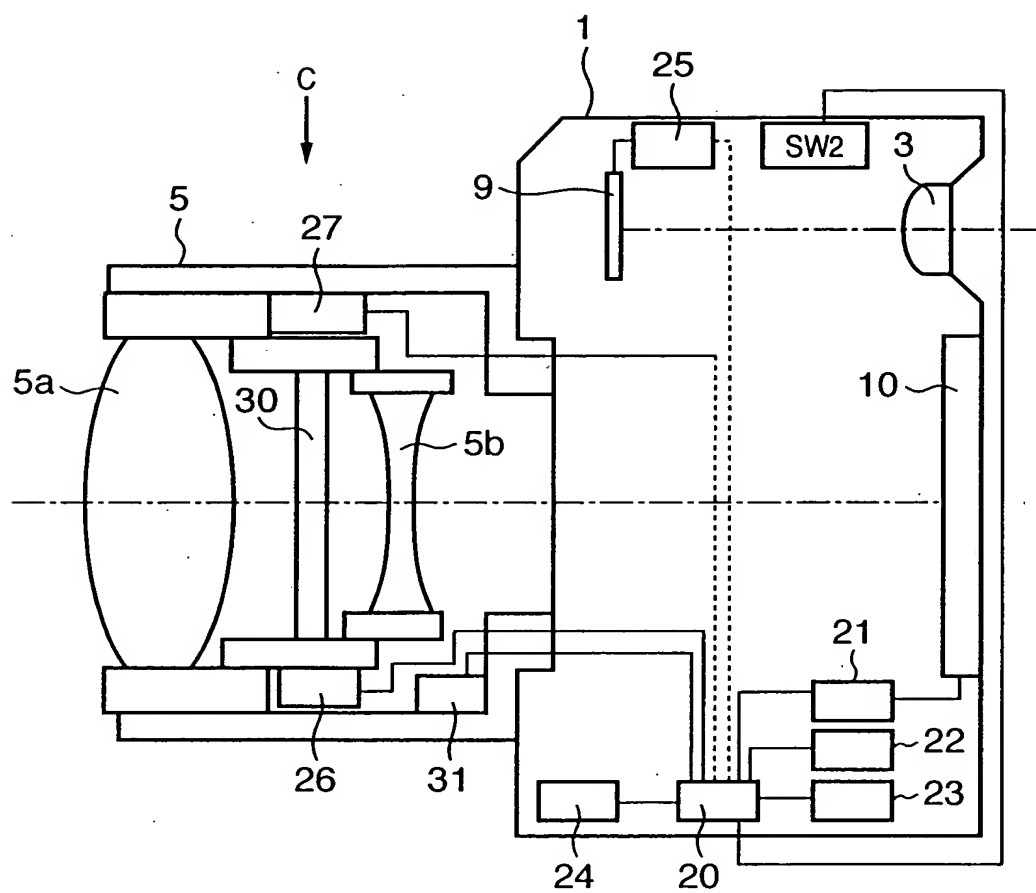
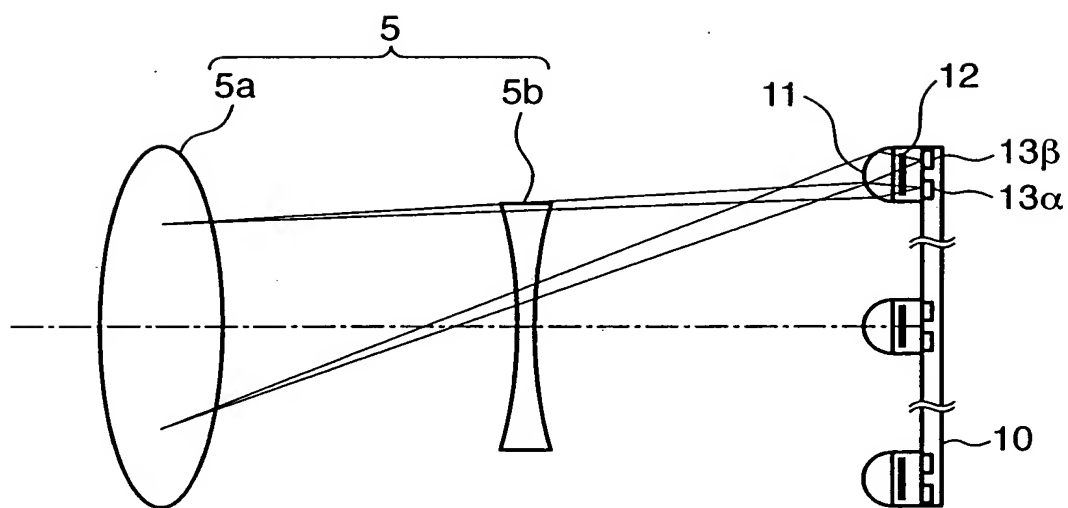
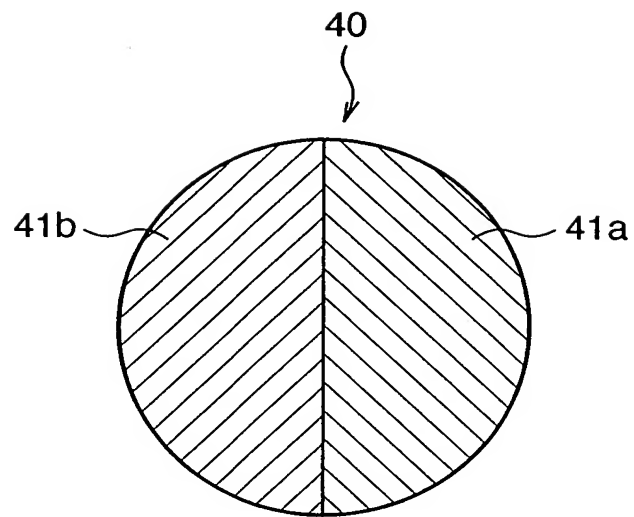
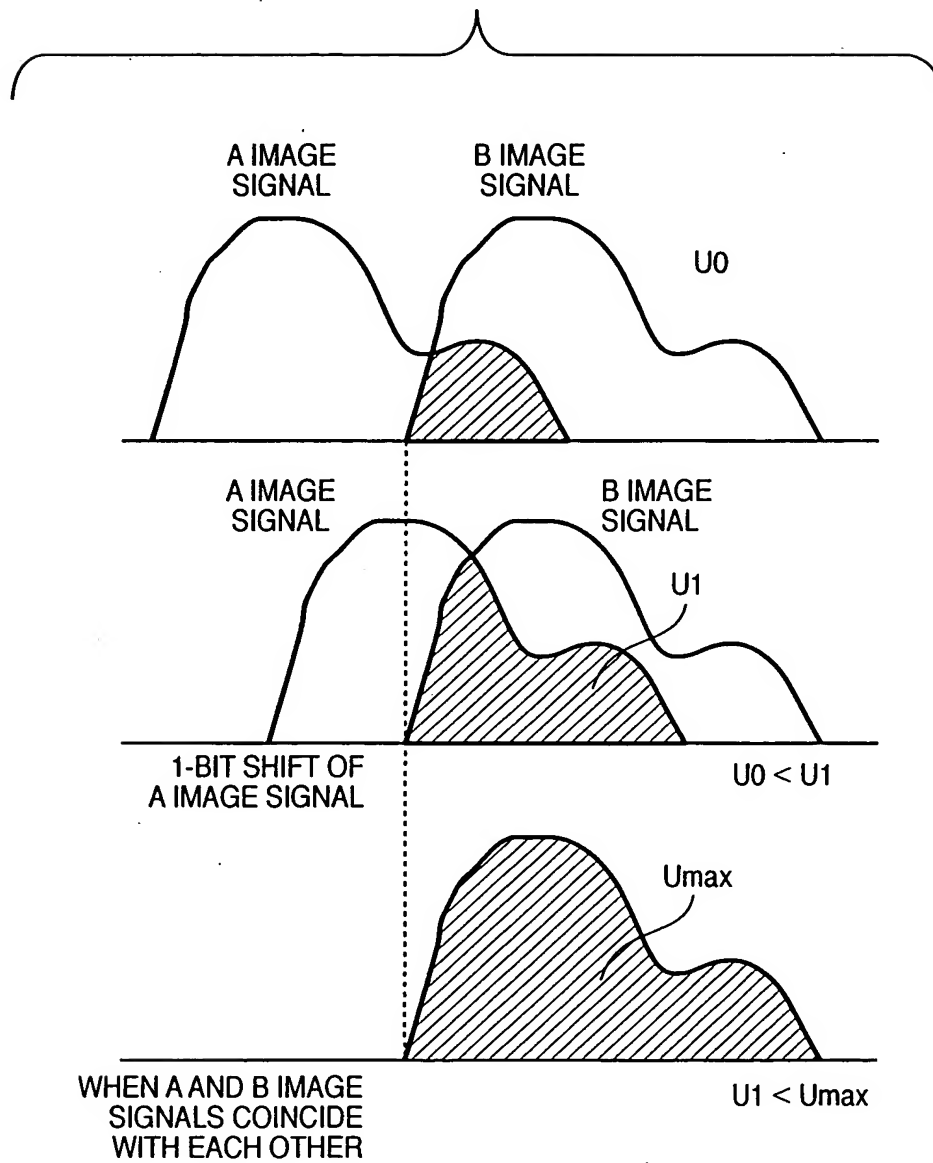


**FIG. 1**

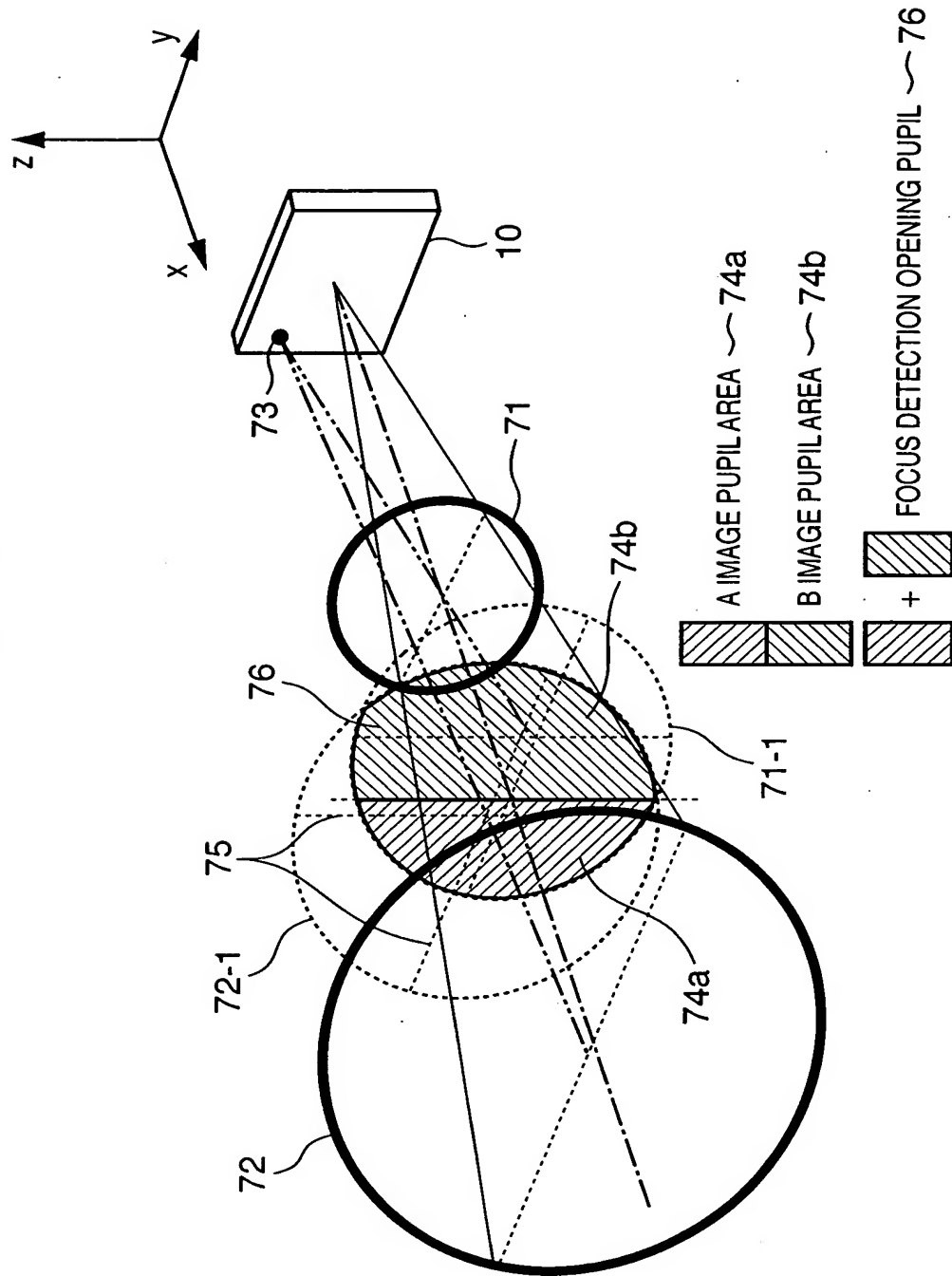
**FIG. 2**




**FIG. 3**

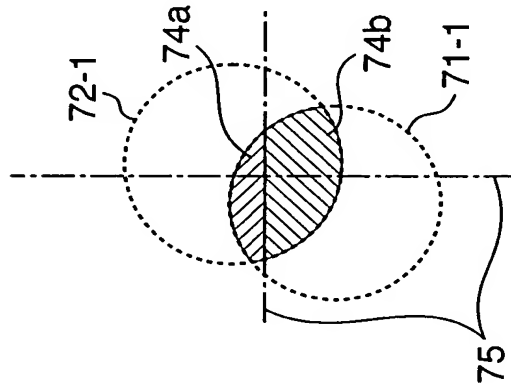


**FIG. 4**

## FIG. 5



-  A IMAGE PUPIL AREA ~ 74a
-  B IMAGE PUPIL AREA ~ 74b
-  FOCUS DETECTION OPENING PUPIL ~ 76



ON AF PUPIL AREA  
(x DIRECTION)

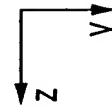
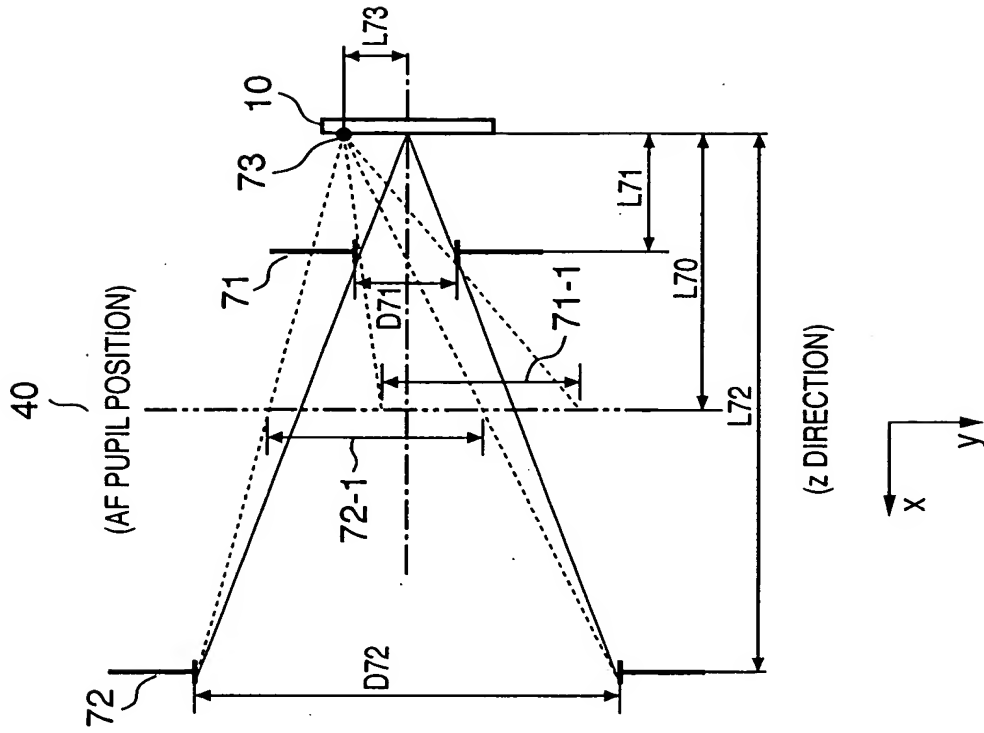


FIG. 6A



(z DIRECTION)

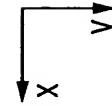


FIG. 6B

— A IMAGE SIGNAL  
 --- B IMAGE SIGNAL

FIG. 7A

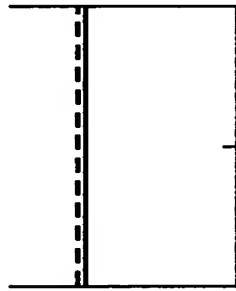


FIG. 7B

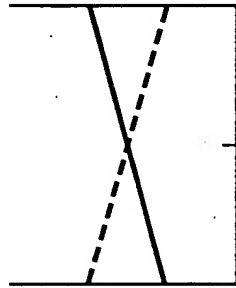


FIG. 7C

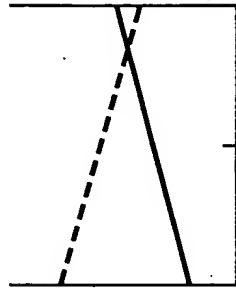


FIG. 7D

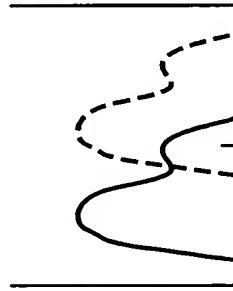


FIG. 7E

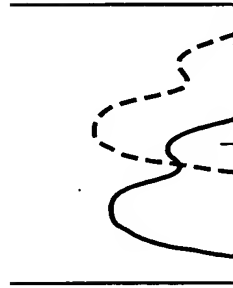
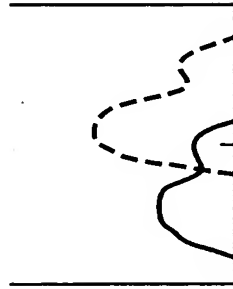
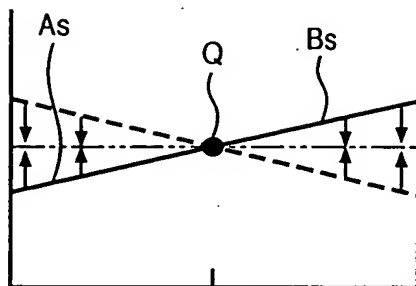
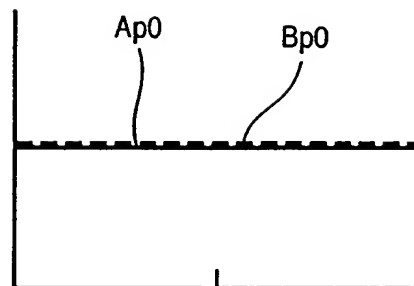
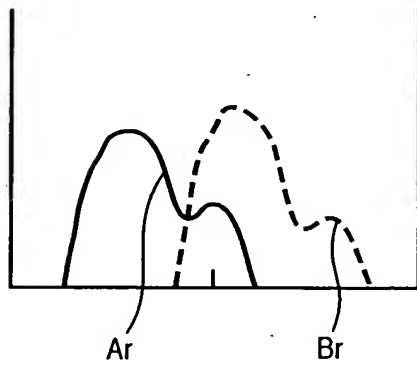
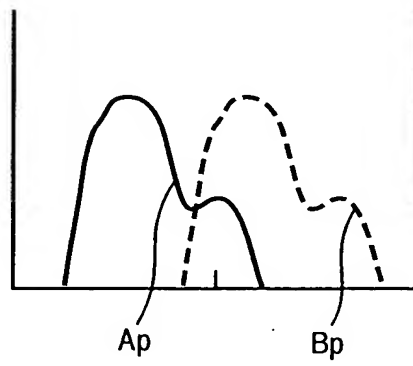


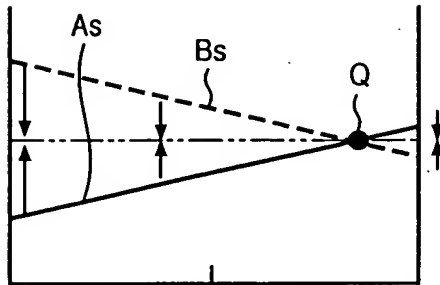
FIG. 7F



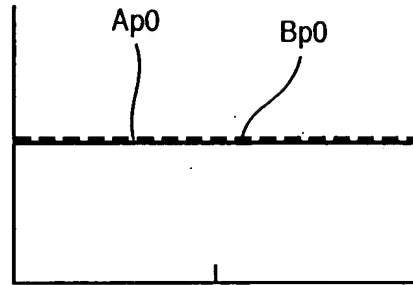
**FIG. 8A****FIG. 8B****FIG. 8C****FIG. 8D**



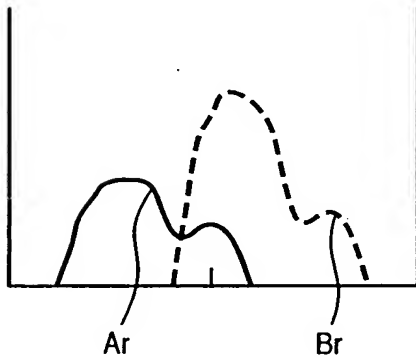
**FIG. 9A**



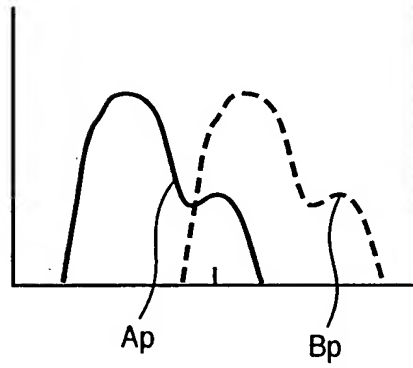
**FIG. 9B**

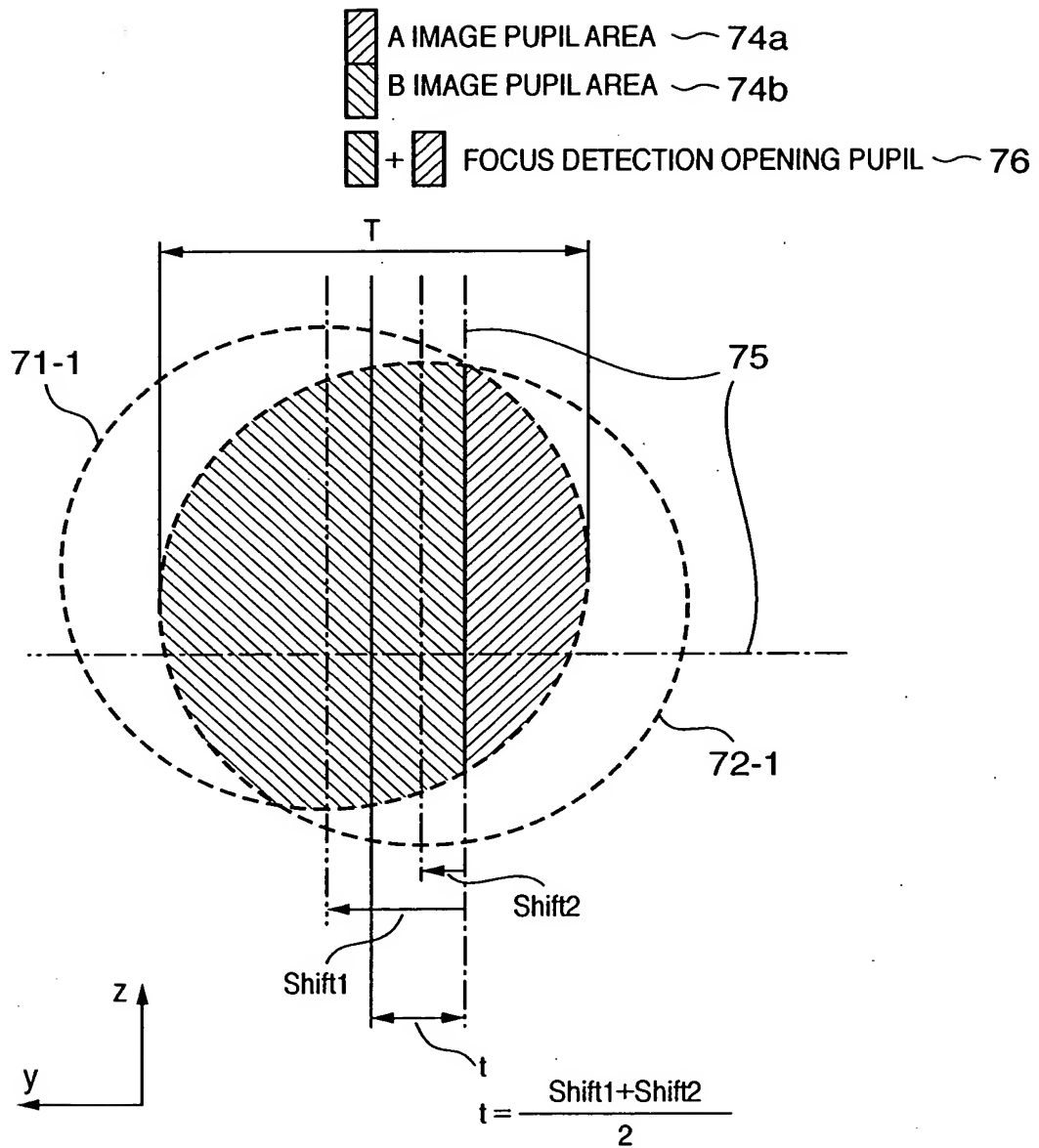


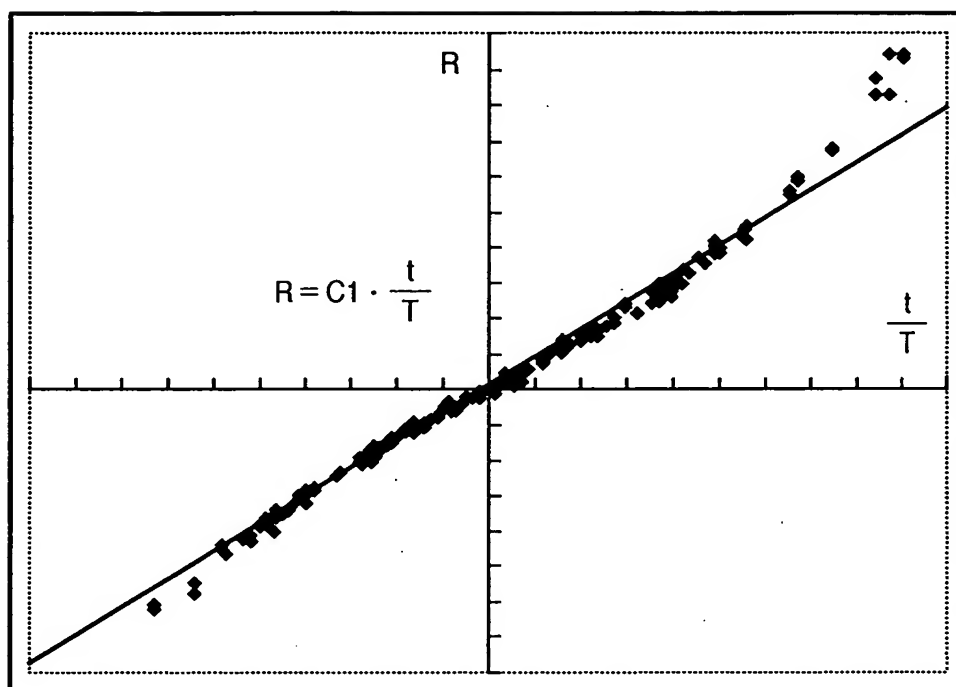
**FIG. 9C**

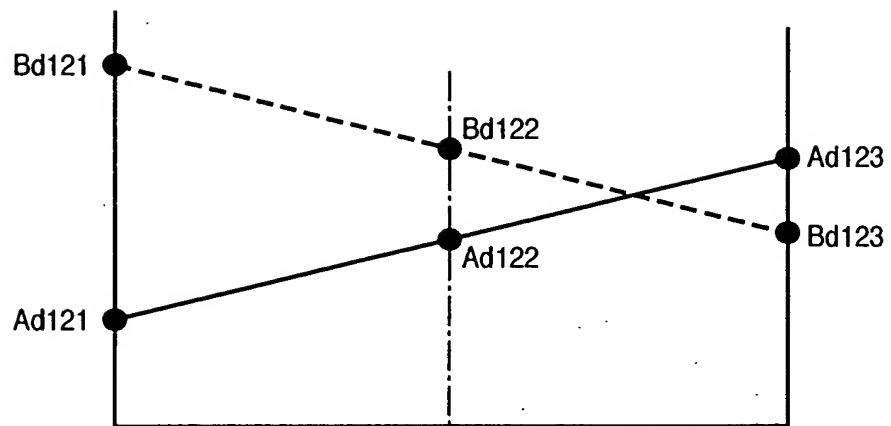


**FIG. 9D**



**FIG. 10**

**FIG. 11**

**FIG. 12**

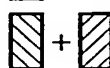
**FIG. 13**

$$Ta = \text{Shift2} + \frac{D72\_1}{2}$$

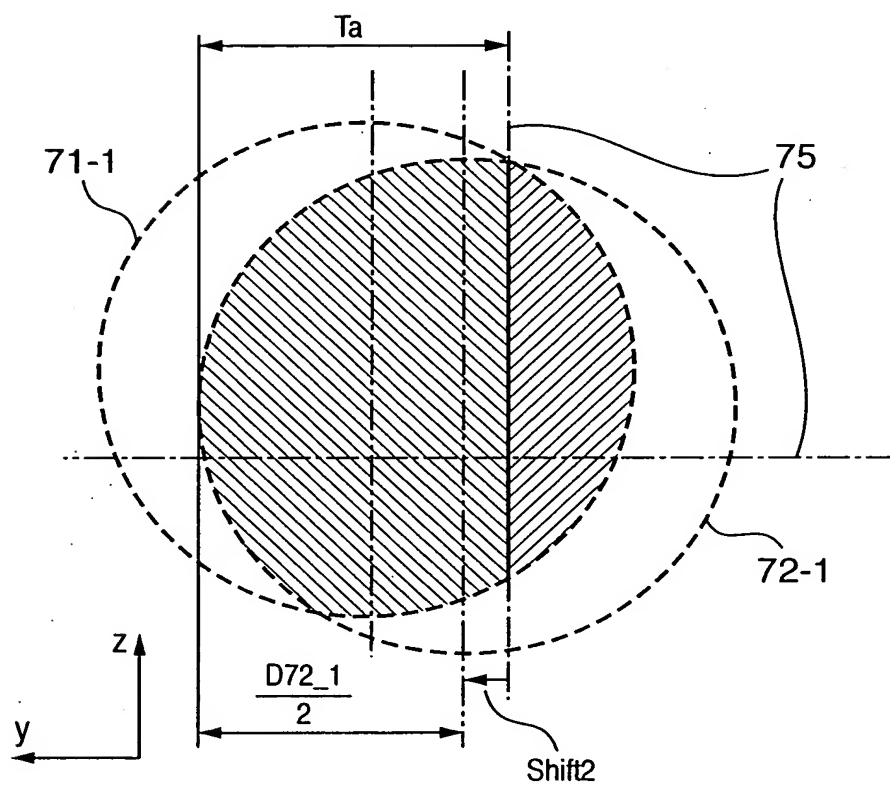


A IMAGE PUPIL AREA ~ 74a

B IMAGE PUPIL AREA ~ 74b



+ FOCUS DETECTION OPENING PUPIL ~ 76



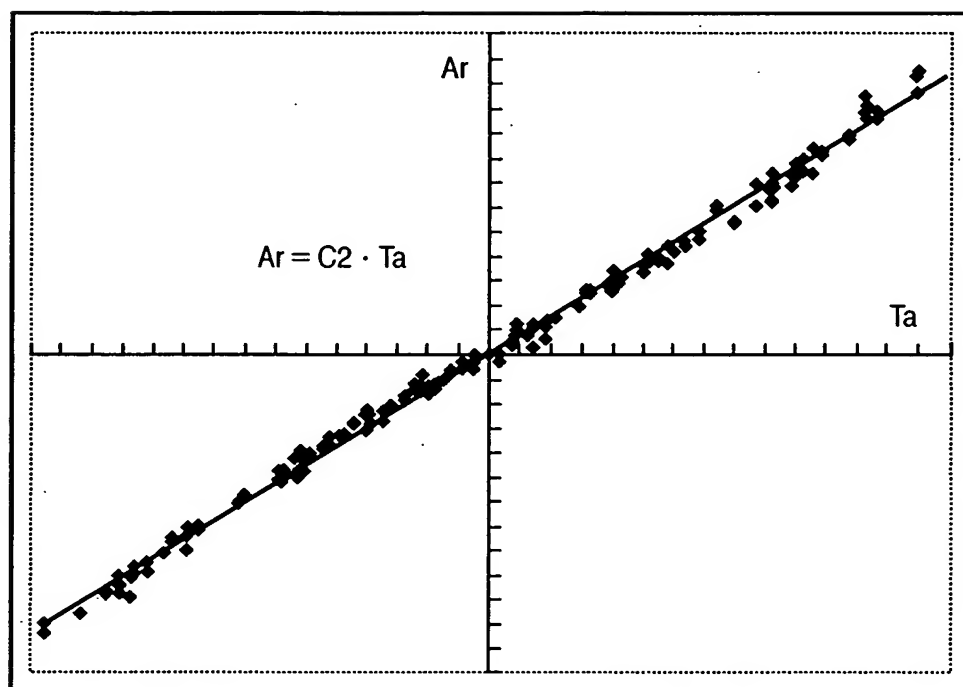
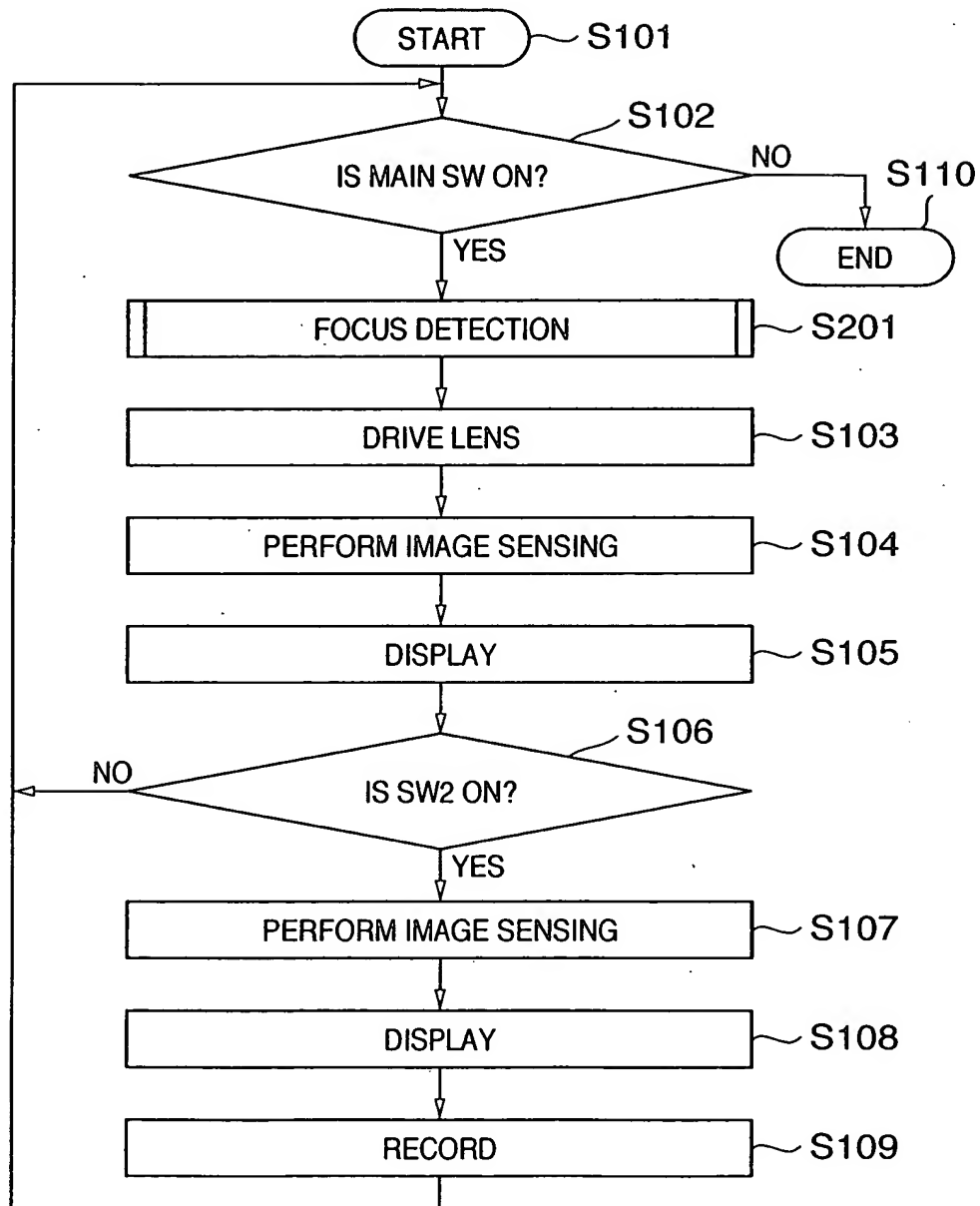
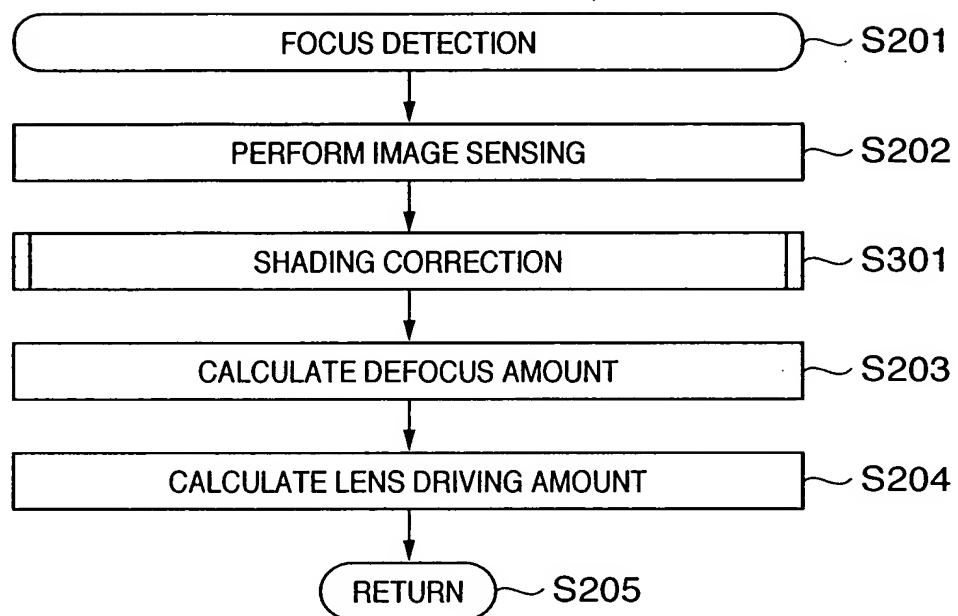
**FIG. 14**

FIG. 15



**FIG. 16**



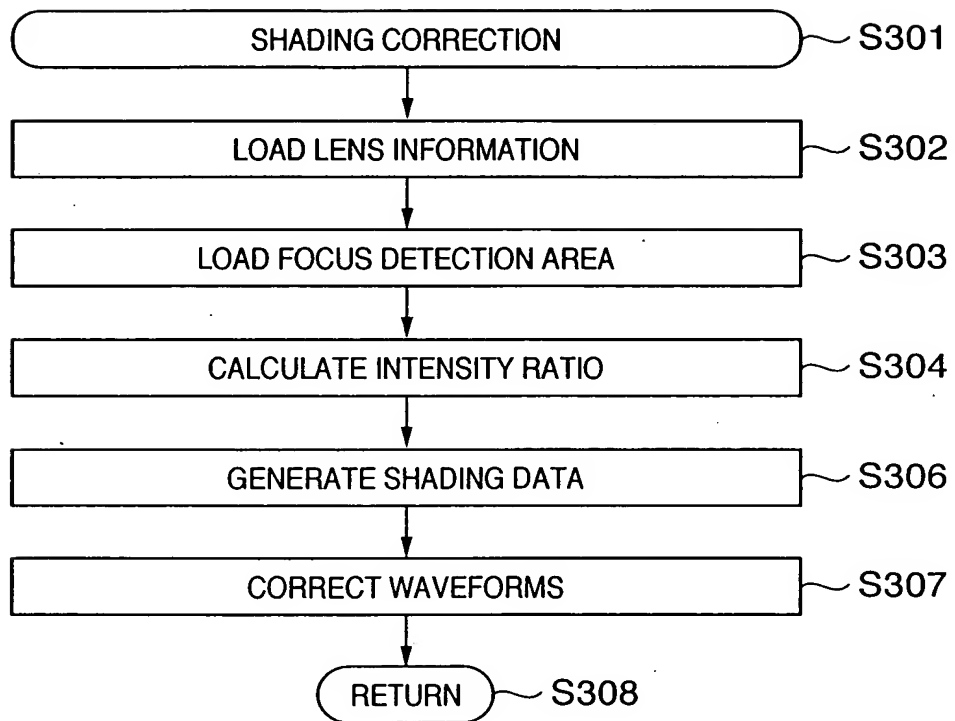
**FIG. 17**

FIG. 18

